



CDF Operations Report

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10-June-2004
CDF Weekly Meeting



STORE SUMMARY

Store	Start Date	Duration (hours)	Inst Lum Initial e30 cm-2 s-1	Int. Lum Delivered nb-1	Live Lum nb-1	Good/w Silicon nb-1	Tevatron Terminate
3554	6/02	42.9	74.1	4,017	3,146 78%	3,056 76%	OK
3558	6/04	15.0	58.6	1,686	1,337 79%	1,306 78%	Spurious clean abort
3560	6/06	33.8	77.3	3,577	2,532 71%	1,562 44%	OK
3562	6/07	38.2	81.9	3,826	2,743 72%	2,197 57%	OK
3564	6/09		71.1	ONGOING STORE			
Total 3554-3562		129.9		13,106	9,758 74%	8,122 62%	



Store Summary cont'd

STORE (efficiencies)	COT STATUS	DOWNTIME HOURS COMMENTS
3554 78%/76%	Gas recirculating HV Full On	2.0 hours for beam conditions. 2.5 hours to pump solenoid watt can. (Repaired solenoid watt can valve after EOS.)
3558 79%/78%	Gas recirculating HV Full On	1.0 hours for beam conditions 0.5 hours TOF HV control problems
3560 71%/41%	Gas recirculating HV Full On	2.5 hours bad muon trigger card 2.0 hours COT HV repair (replace pod) 1.0 hours for beam conditions 1.0 hour Silicon DAQ (Fib took hit from beam?)
3562 72%/57%	Gas recirculating HV Full On	5 hours beam conditions (partially due to ComEd glitch) 1.5 hours TDC problems (power glitch?) Much of store "bad for COT" for broken TDCs 0.7 hours muon HV trips (HVAC off in hall) 2 hours of misc. tests (good time due other problems)
3564 (ongoing)	Gas recirculating HV Full On	4-5 hours for beam conditions 1 hour for CMX HV trips



What's a Watt Can (Google's View)

- In mechanical terms, a power of 1 **watt can**, in 1 second, move a mass of 1 kilogram through a distance of 1 meter with such force that the kilogram's velocity ...
- Watt can't wait for A grade return: **Watt can** wait for A grade return Kawana captain to make timely comeback against Caloundra AFTER five weeks sidelined with injury, Kawana Dolphins captain ...
- Crystal Report Viewer: LADIES. Date of birth: 28/04/1985. Nicole **WATT. CAN**. Melfort, SK. Place of birth: Height: 152. cm. Melfort, SK. Home town: Student. Profession ..
- Undergraduate Housing - Watt Hall Description: Finally, a few tips for future Watt residents... -the university doesn't provide toilet paper, so don't forget to bring some! -**Watt can** get a little dusty and ...
- Aromatherapy Global Online Research Archive: Pharmac. Vol. 20. No. 4. 487-489. © 1998 Martin Watt. Martin **Watt can** be reached at: <http://www.aromamedical.demon.co.uk>. , AGORA home page, Go to the FAQ pages. ..
- MCAD Tech News # 34 (September 19, 2000): ... For example, an engineer can define the loads and revolutions required from an axle/bearing combination and **WATT can** suggested several possible configurations ...
- Schwinn F18 full suspension scooter: ... that can corner superbly and be ridden surfer style (one foot forward and one back) or jet-ski style (two feet together), the Schwinn F18 600 **watt can** also be ...
- Am I Right - Song Parodies, They Can Write (Really...they can!): ... bout the broth that we eat and confuse us with the things they say I say they can drink if want to, but their beer will always spill And **Watt can** say "Whoa dude ..
- **Watt can**: transition between normal and superconducting leads for CDF Solenoid magnet



Offline Status

Date: Tue, 08 Jun 2004
From: Young-Kee Kim
To: Offline Group
Subject: CDF weekly meeting

Could you make one slide of "offline status" for this week's CDF weekly Meeting.

We would like to have your slide focused on the production and quality of the data taken with COT HV ON after we raised the COT gas flow (so last week and this week's data).

Best, Luciano and Young-Kee

From: Soon Jun

The plot (our usual physics monitoring plots from express production) contains a general probe over more than a month, so you can address any changes on those plots.

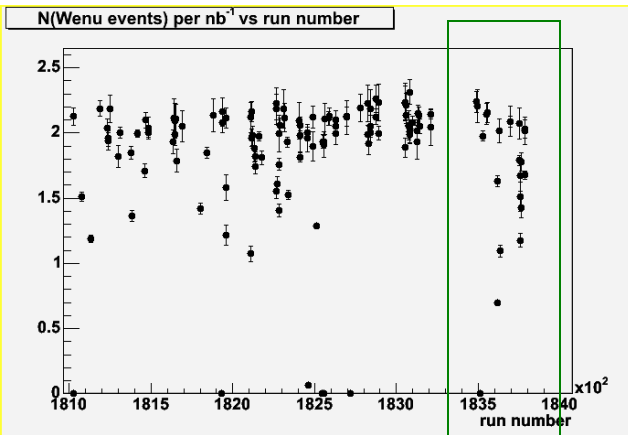
Other things that you can mention is

- 1) raw data processing is up-to-dated
- 2) all 0d reprocessing (5.3 reprocessing) are finished and all files will be available by early next week (final draining stage)

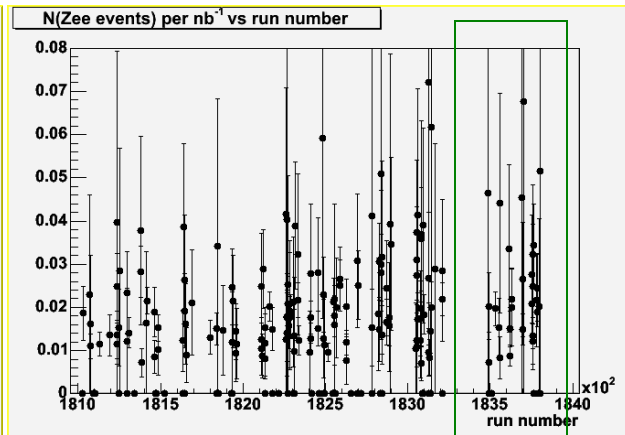


Summary for the last 2 weeks (run : 183300 ~ 183820)

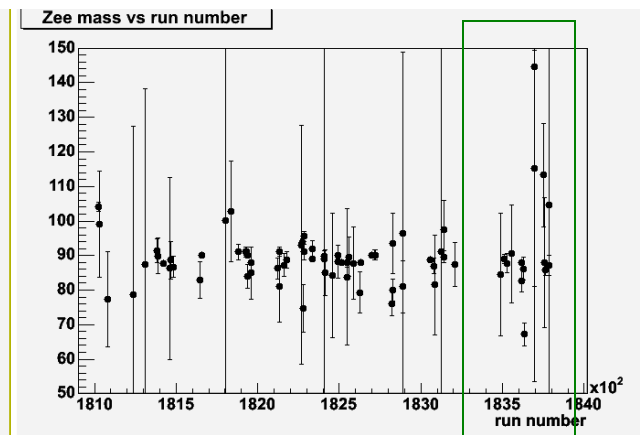
$N(W \rightarrow e \nu)$ per nb^{-1}



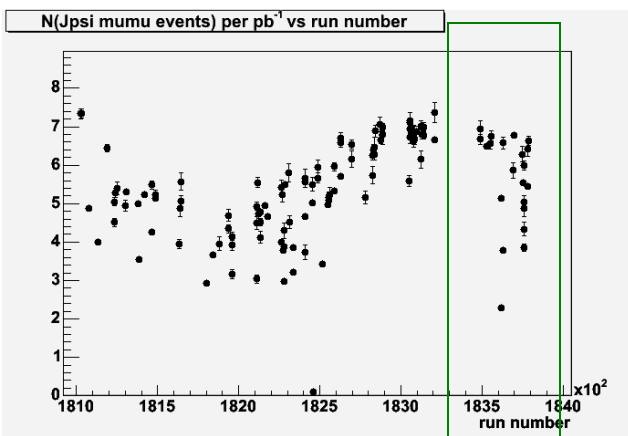
$N(Z \rightarrow ee)$ per nb^{-1}



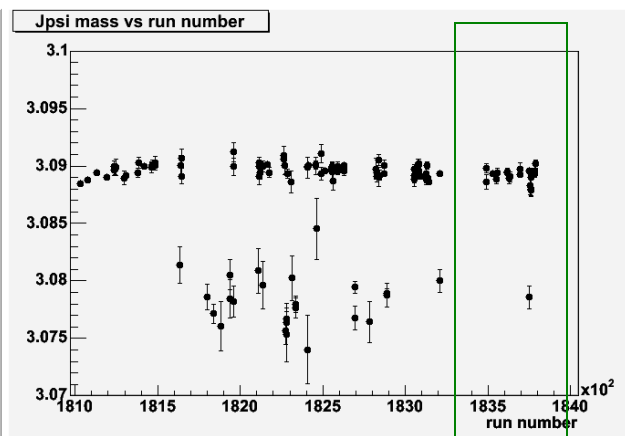
$Z \rightarrow ee$ mass



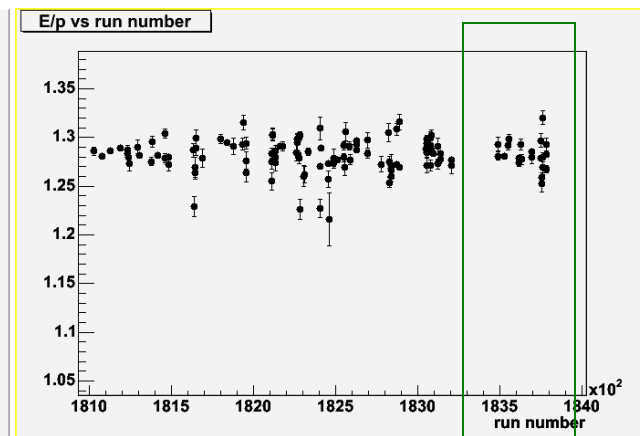
$N(J/\psi \rightarrow \mu \mu)$ per pb^{-1}



J/ψ mass



E over p





CDF STATUS

- COT HV still on all superlayers!
- Ongoing problems with CMX HV trips
- Roman Pots now back !
- Lots of ongoing trigger work and studies to handle high luminosities